

ABSTRACT OF THE DISCLOSURE

[0063] A user equipment (UE) communicates with at least one cell defining an active set. A velocity vector including position, speed, and direction is associated with the UE. A radio network controller receives information related to the velocity vector and creates a filtered neighbor cell list by filtering a neighbor cell list associated with the active set. The filtering depends on the velocity vector related information. The controller transmits the filtered neighbor cell list to the user equipment so that pilot signal strength is measured for cells in that list.